#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 18 September 2003 (18.09.2003)

### **PCT**

# (10) International Publication Number WO 03/076740 A1

(51) International Patent Classification?: E04F 21/22

(21) International Application Number: PCT/DK03/00162

(22) International Filing Date: 13 March 2003 (13.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2002 00390 14 March 2002 (14.03.2002) DK

(71) Applicant and

(72) Inventor: MIKKELSEN, Gert, Bjerring [DK/DK]; Roddikvej 35, DK-8464 Galten (DK).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE

(utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

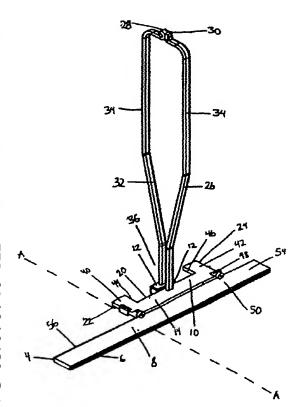
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TOOL FOR USE WHEN LAYING DOWN FLOOR ELEMENTS WITH TONGUE AND GROOVE JOINTS



(57) Abstract: Putting down floor elements (8) with groove and tongue joints often involves working in very unsuitable working postures, which cause attrition and damaged backs of the persons doing this work. The invention concerns a tool (2) for use in connection with joining groove and tongue joints between floor elements (8), said tool comprising a cushion (10) with a resting long side (18) and a striking long side (20), said cushion (10) having an upright first rod-shaped part (26) and a second rod-shaped part (32) connected with said first part (26) by means of a hinged joint, the free end of said second part (32) being provided with a striking tool (12), which can, when swinging the second rod-shaped part (32), be brought to striking on the striking long side (20), so that the inertia from the stroke, via the resting long side (18) arranged to rest on a relevant side (56) of a floor element (8), is used to force the groove (6) onto a relevant tongue (4) of a floor element (8') that has already been put down. This provides for an ergonomically suitable working posture for the user of the tool (2).

WO 03/076740 A1